

Notice of Allowability

Application No.

10/623,911

Applicant(s)

HUANG, MING-SONG

Examiner

Vincent E. Kovalick

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment dated 1/9/06.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>10/27/03</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Amendment

1. This Office Action is in response to Applicant's Amendment dated January 9, 2006 in response to USPTO Office Action dated October 4, 2005.

The amendment to claim 1 coupled with applicant's remarks regarding claim 1 are sufficient to place the application in a condition for allowance.

Allowable Subject Matter

2 Claims 1-21 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the major difference between the teachings of the prior art of record (Pub. No. US 2005/0024382, Ho et al.; Pub. No. US 2002/0158885, Brokenshire et al. and USP5,818,935, Maa) and that of the instant invention is that said prior art of record **does not teach** a display controller wherein a gamma correction transform circuit that receives a new contrast signal and a new brightness signal, tests if the new contrast signal and the new brightness signal are respectively equivalent to a default contrast signal and a default brightness signal wherein; if the new contrast signal is equivalent to the default contrast signal and the brightness signal is equivalent to the default brightness signal, the a gamma correction transform circuit is in communication with the default gamma correction mapping table to designate the default gamma correction mapping table for determining the luminance values for the display; if the

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new contrast signal is not equivalent to the default contrast signal and /or the brightness signal is not equivalent to the default brightness signal, the gamma correction transform circuit transforms entries of the default gamma correction mapping table as a function of the contrast signal and the brightness signal; wherein the said gamma correction transform circuit is in communication with the transformed gamma correction mapping table to store the entries to the transformed gamma correction mapping table.

Regarding claims 9, 12, 15 and 18, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a display control system for providing luminance values to a display wherein; if the new contrast signal is equivalent to the default contrast signal and the brightness signal is equivalent to the default brightness signal, designating the default gamma correction mapping table for determining a luminance value for said display; if the new contrast signal is not equivalent to the default contrast signal and/or the brightness signal is not equivalent to the default brightness signal, transforming the default gamma correction mapping table as a function of the contrast signal and the brightness signal; if the new contrast signal is equivalent to the default contrast signal and the brightness signal is equivalent to the default brightness signal, mapping the video signal to determine the luminance level from the default gamma correction mapping table; if the new contrast signal is not equivalent to the default contrast signal and/or the brightness signal is not equivalent to the default brightness signal, mapping the video signal to determine the luminance level from the transformed gamma correction mapping table.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Applicant's Remarks

4. Applicant's remarks relative to claim 1 are rendered moot in light of the allowance of the application.

Examiner's Note

5. Please note the change in Art Unit Number, from 2677 to 2629. Where applicable, future correspondence should refer to AU 2629.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No.	5,282,036	Worley Jr. et al.
U. S. Patent No.	4,769,703	Osborne et al.
Pub. No.	US 2003/0128299	Coleman et al.

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To Respond

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E. Kovalick whose telephone number is 571-272-7669. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Vincent E. Kovalick
March 28, 2006


BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600